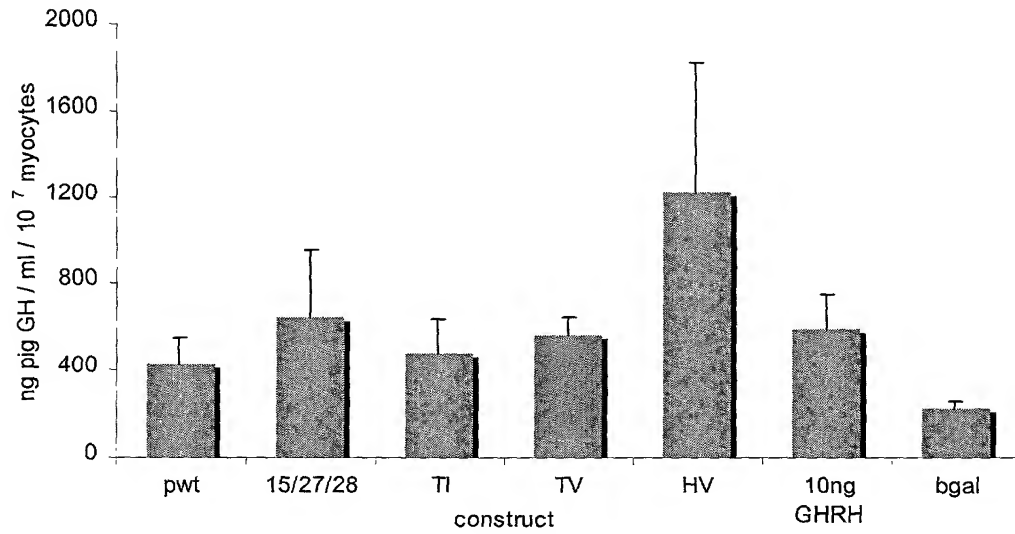


A.

YADAIFTNSYRKVLGQLSARKLLQDIMSRQQGERNQEQGA-OH porcine wild-type
 HVDAIFTNSYRKVLAQLSARKLLQDILNRQQGERNQEQGA-OH HV-GHRH

B.



C.

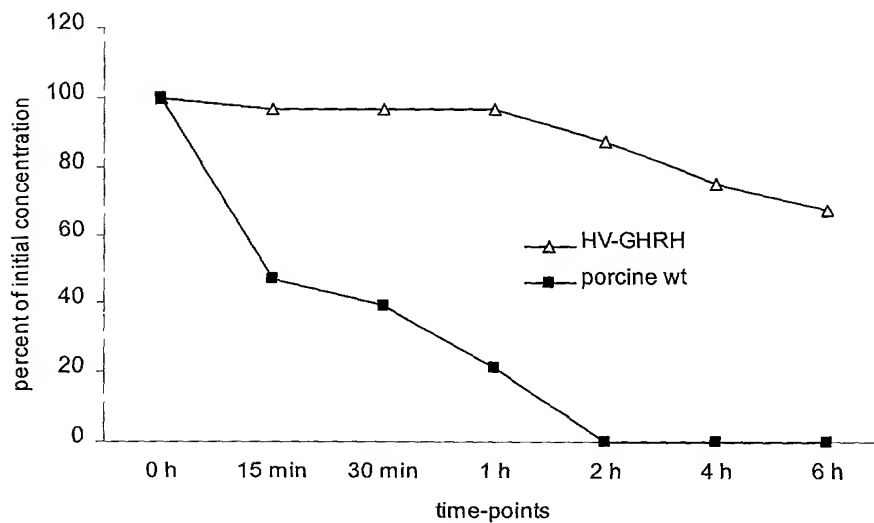
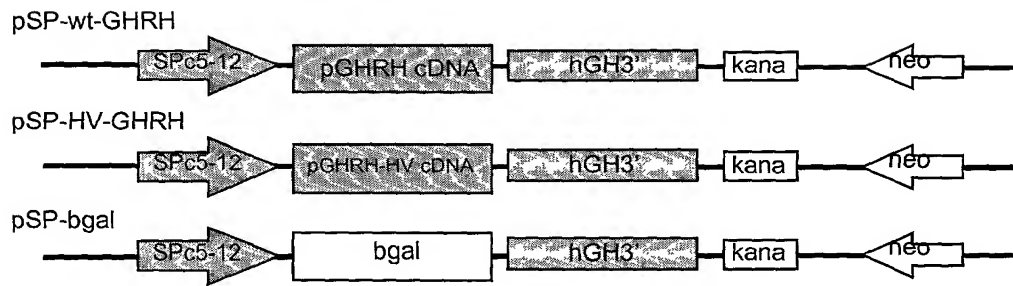
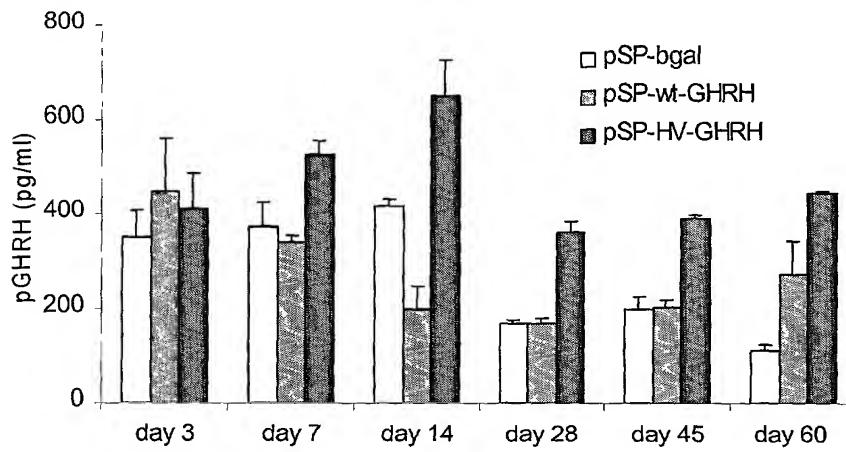


FIG. 1

A.



B.



C.

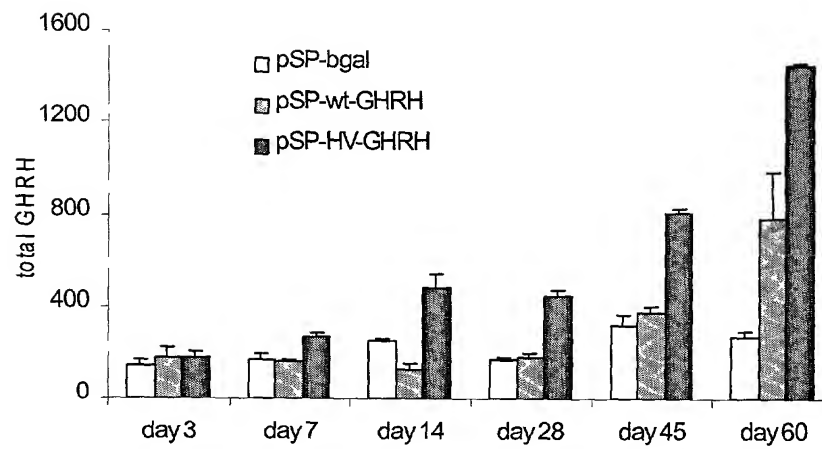


FIG. 2

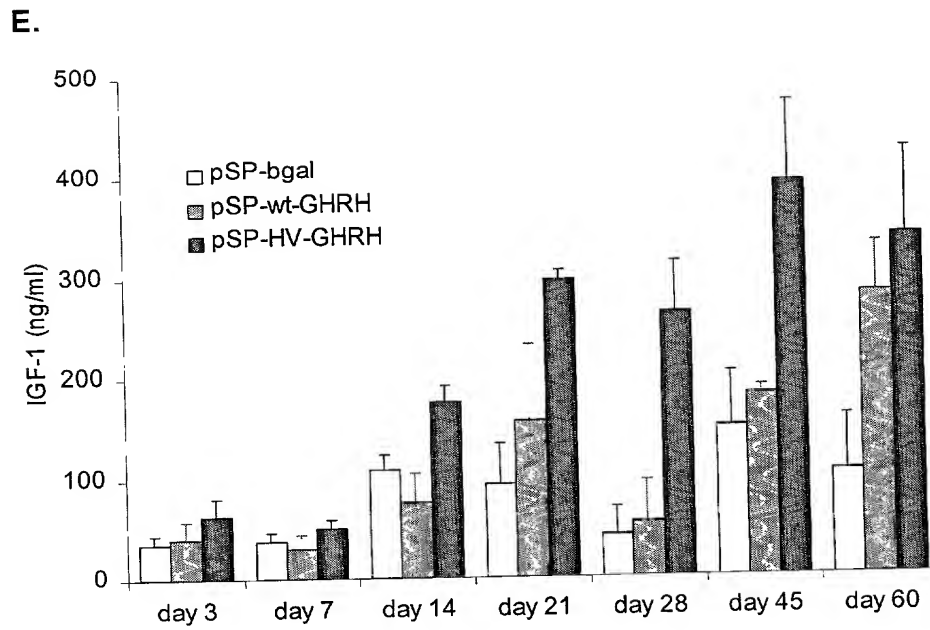
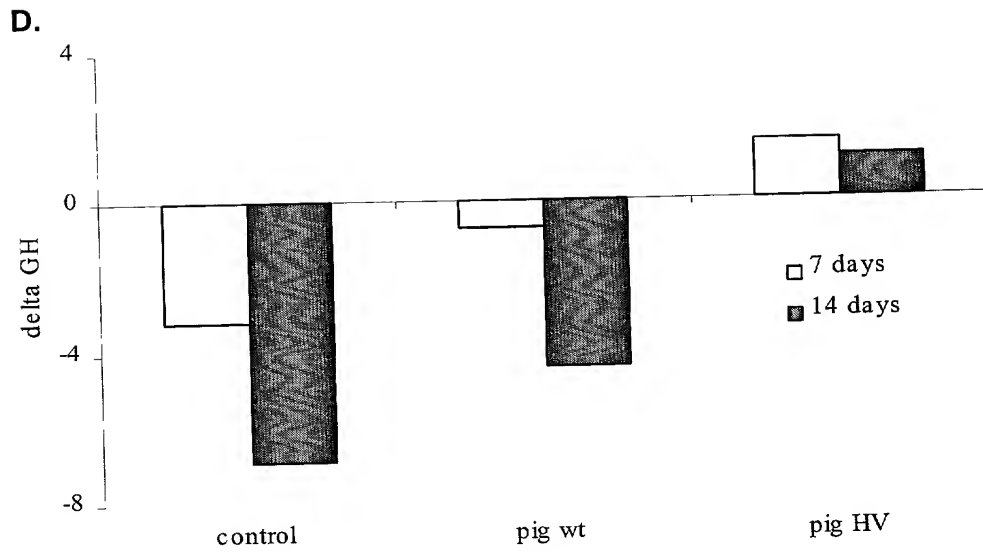
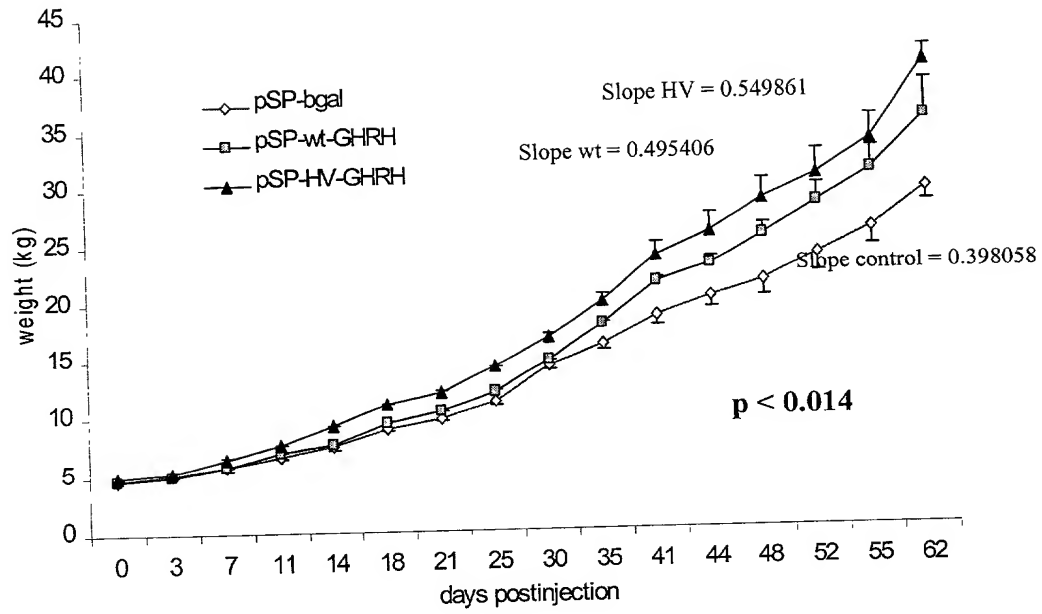
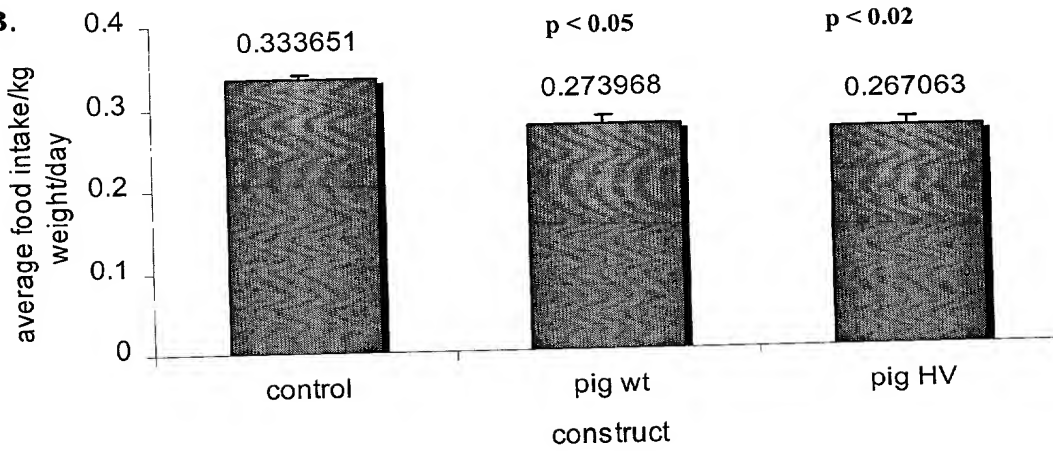


FIG. 2

A.



B.



C.

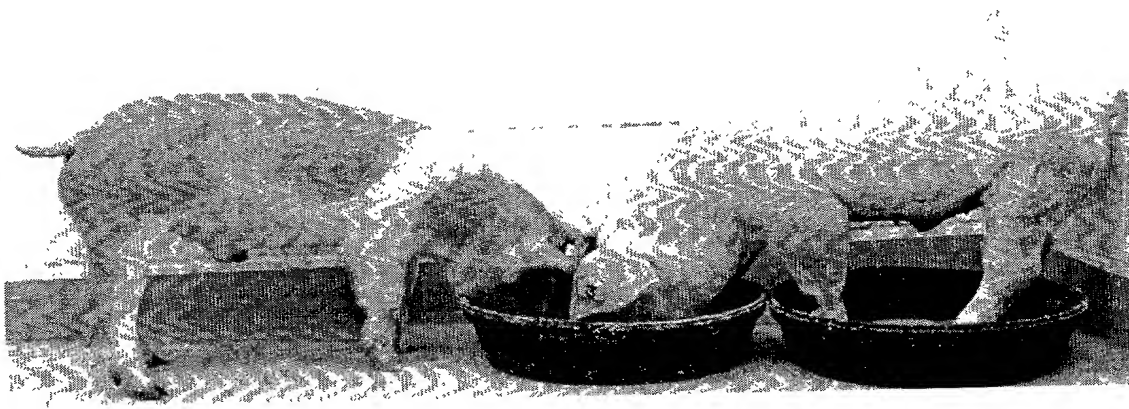


FIG. 3

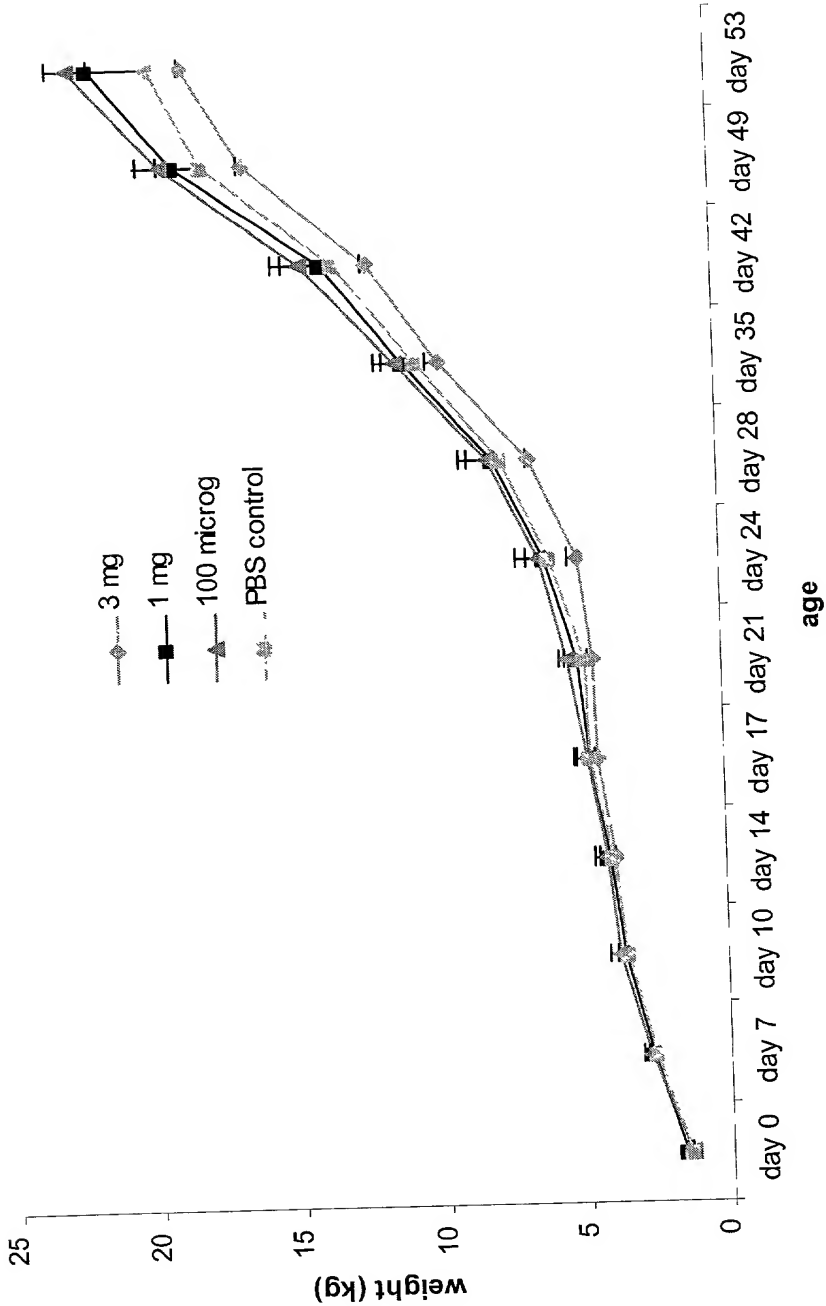


FIG. 4

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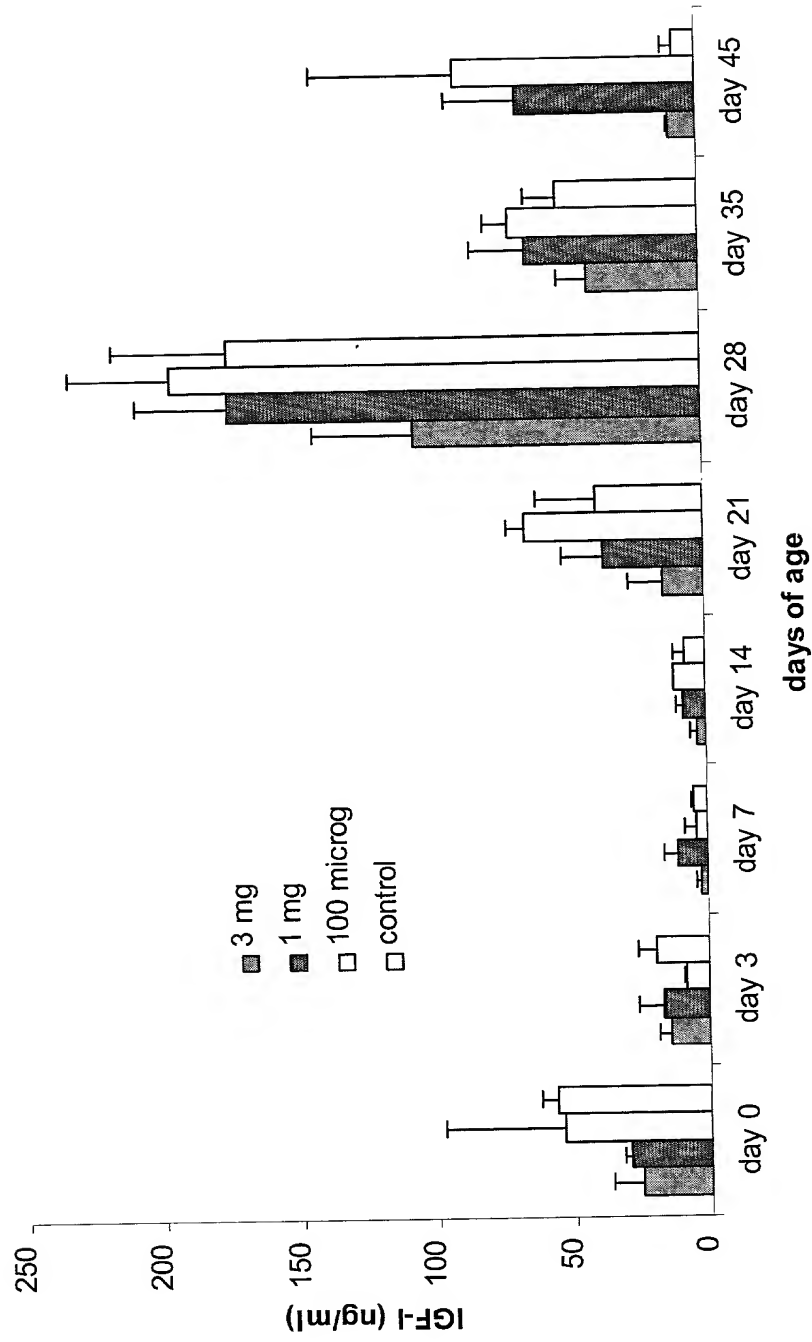


FIG. 5

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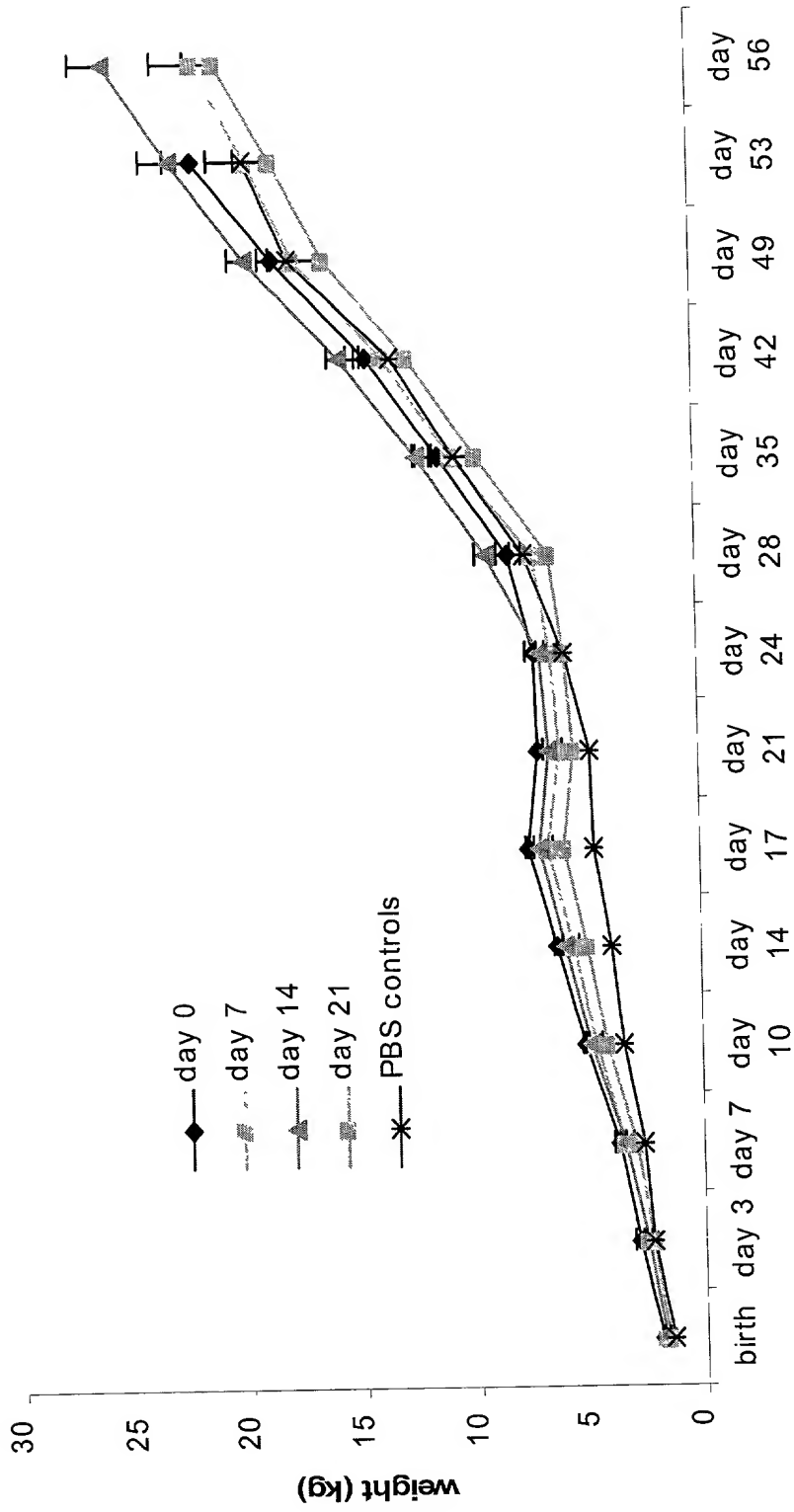


FIG. 6

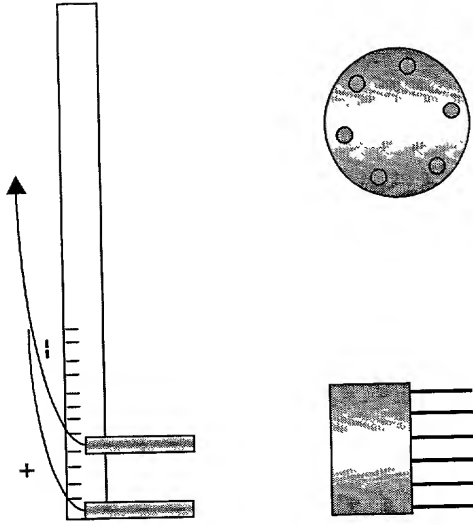


FIG. 7

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Birth Weight

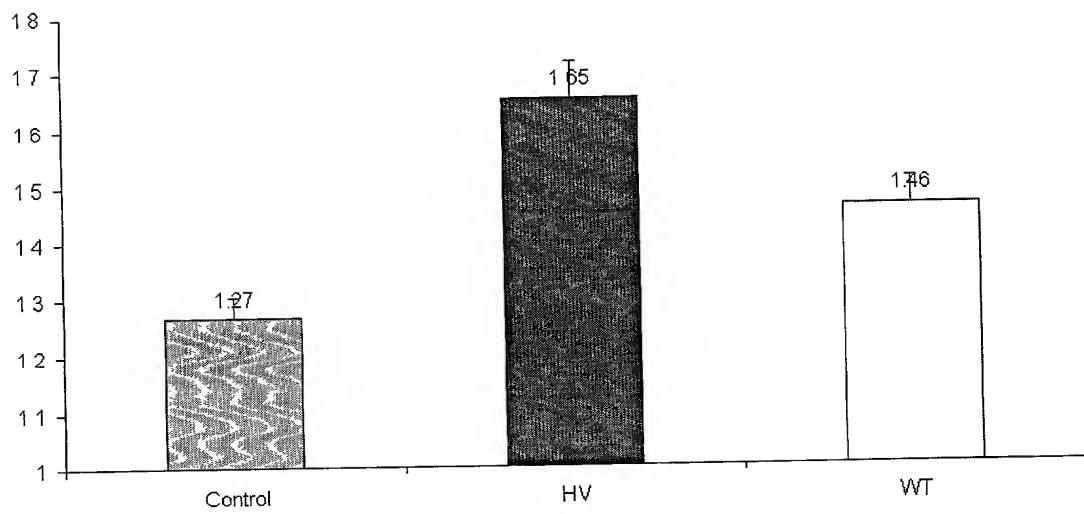


FIG. 8

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Injected With pSP-GHRH at 95 Days of Gestation
Piglets Were Analyzed To 180 Days After Birth (150 Kg)

Weight at Weaning

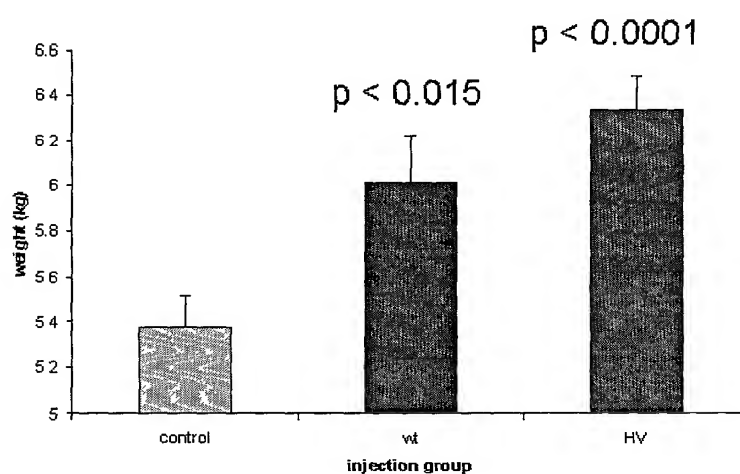
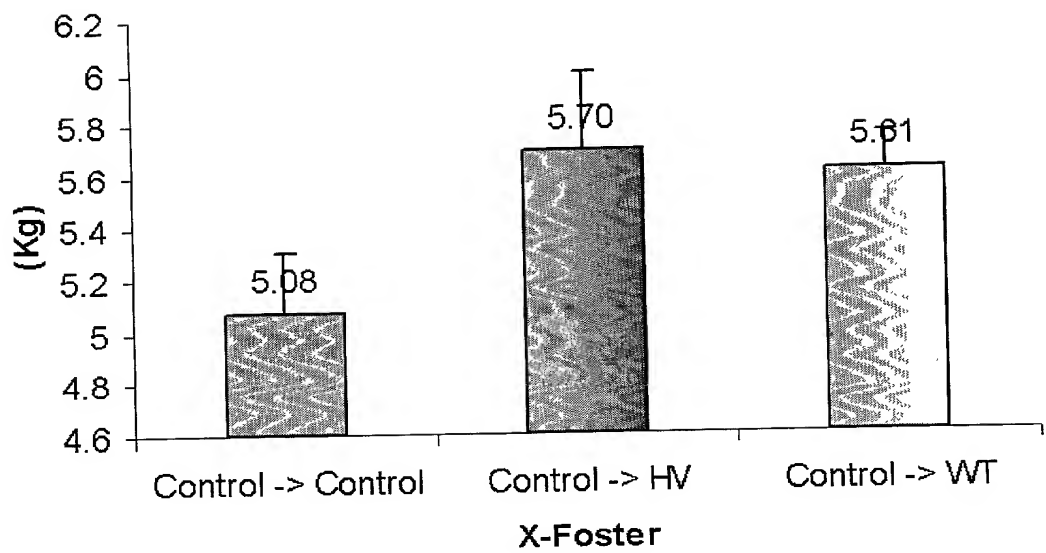


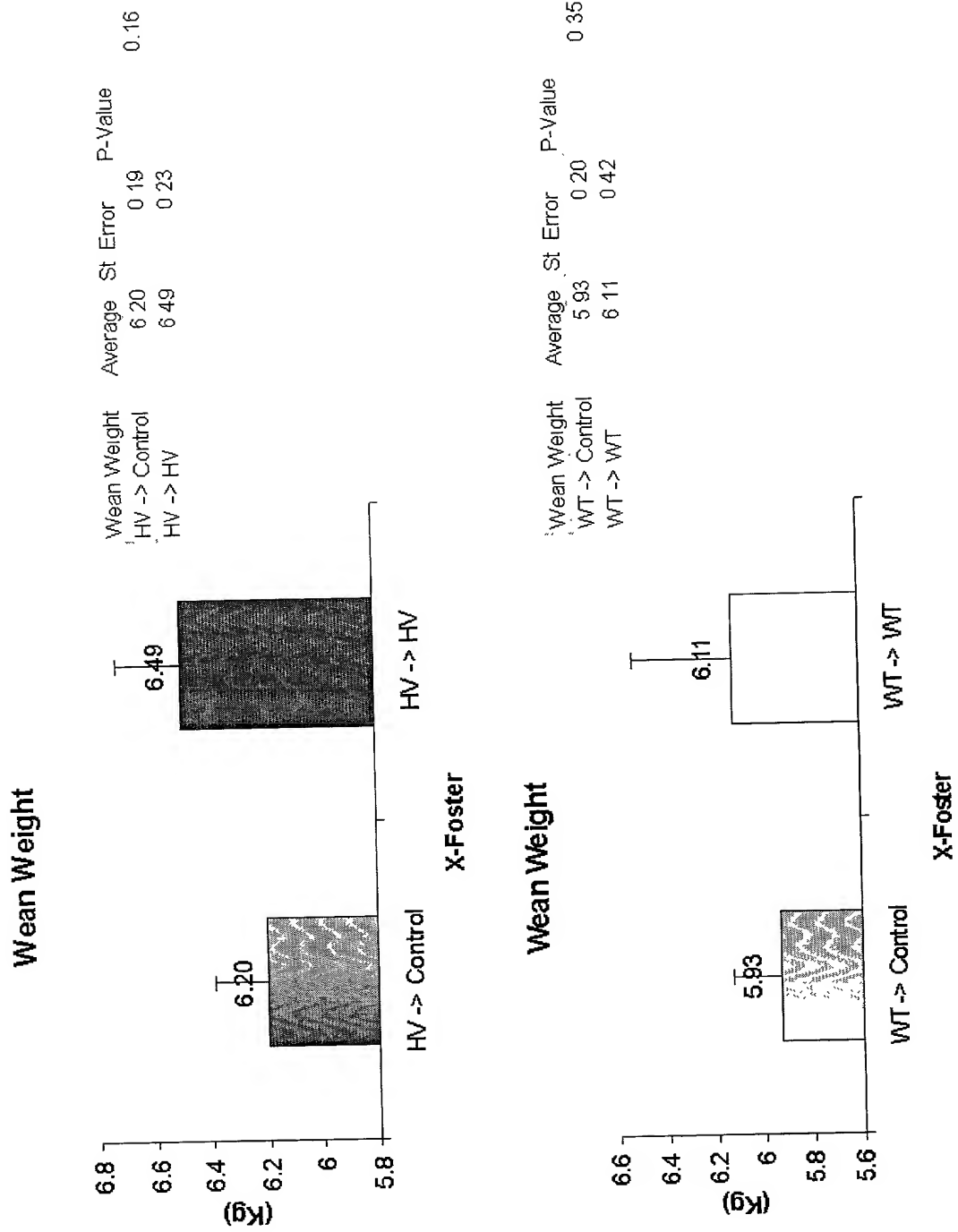
FIG. 9

Wean Weight

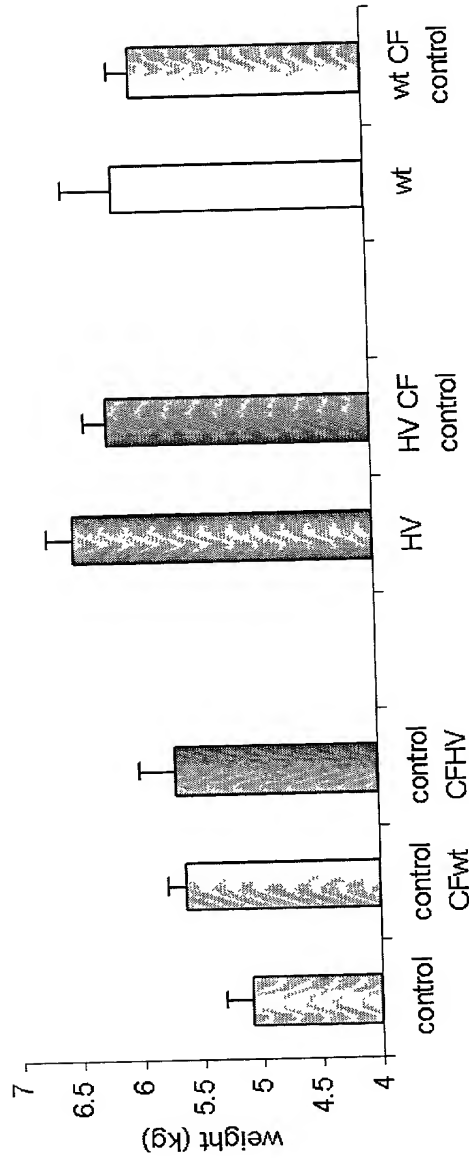


Wean Weight	Average	St. Error	P-Value
Control -> Control	5.08	0.23	
Control -> HV	5.70	0.30	0.05
Control -> WT	5.61	0.15	0.03

FIG. 10



Pregnant sow experiment - pHV-GHRH / pwt-GHRH
cross-foster experiments



group % increase

control	
control CFwt	10.4988877
control CFHV	12.2047244
HV	27.8491504
HV CF control	22.0472441
wt	20.3248031
wt CF control	16.7322835

FIG. 12

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Pregnant sows were injected with pSP-HV-GHRH or pSP-wt-GHRH in late gestation
Piglets were analyzed to market weight
Slaughter weights at TAMU

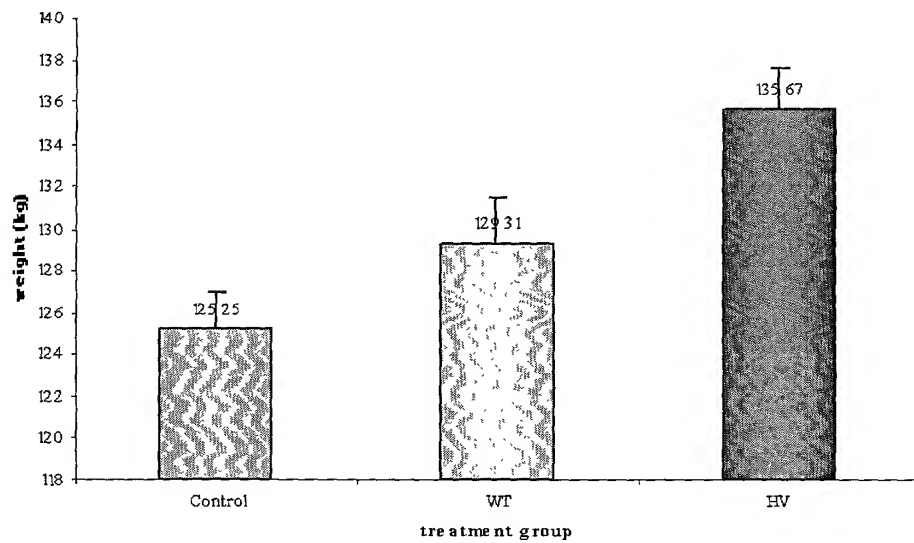


FIG. 13

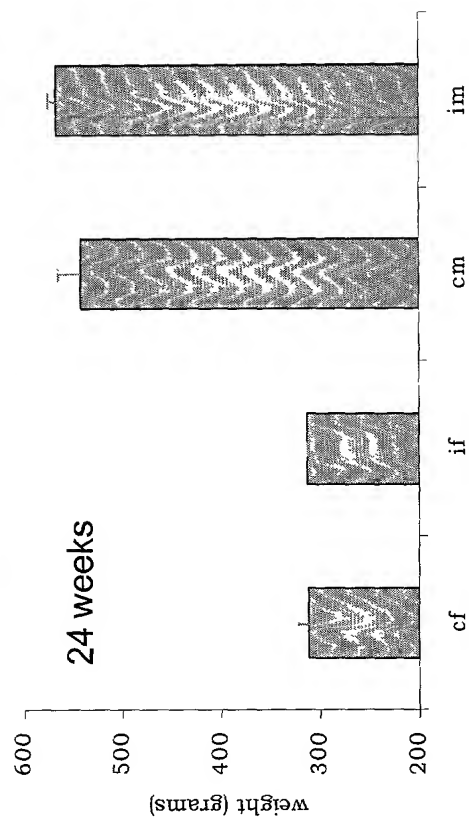
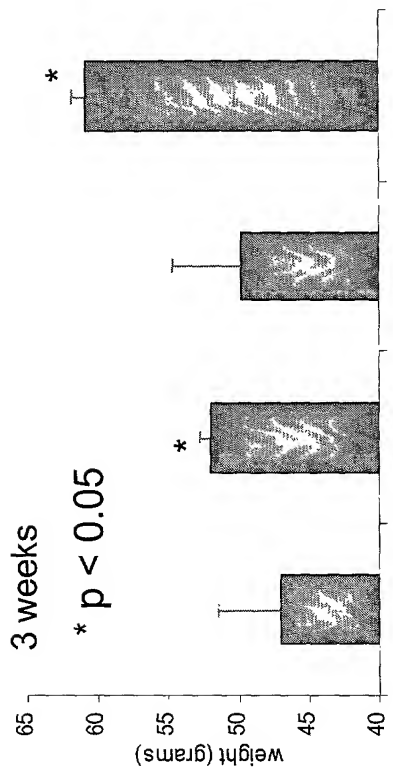
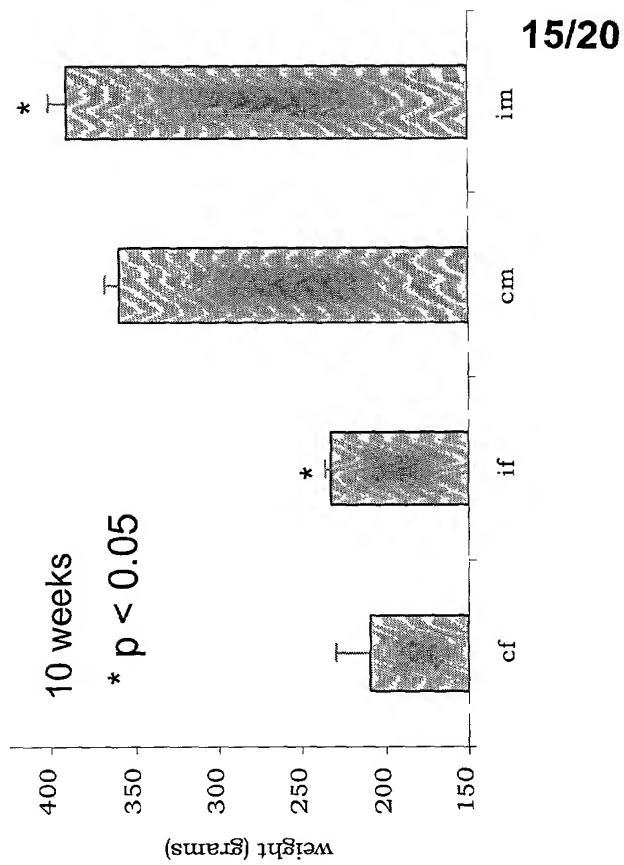


FIG. 14

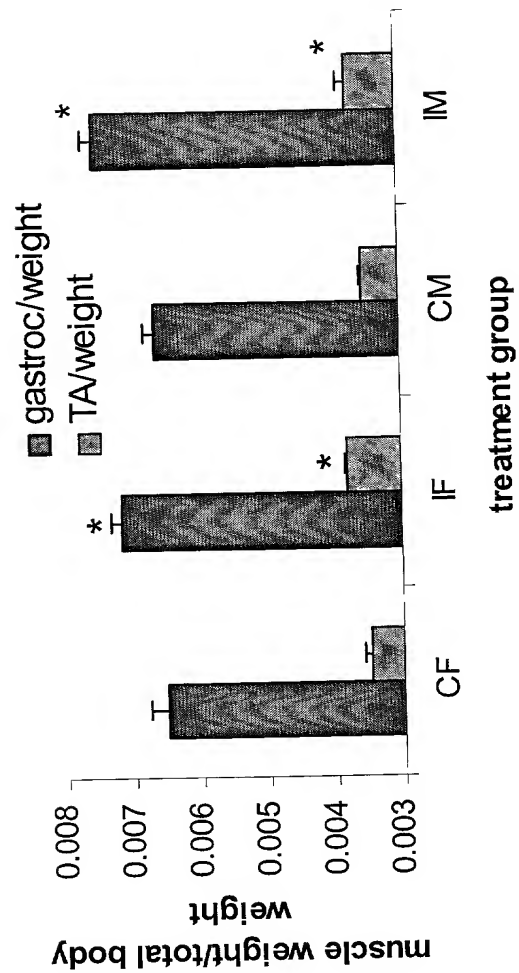


FIG. 15

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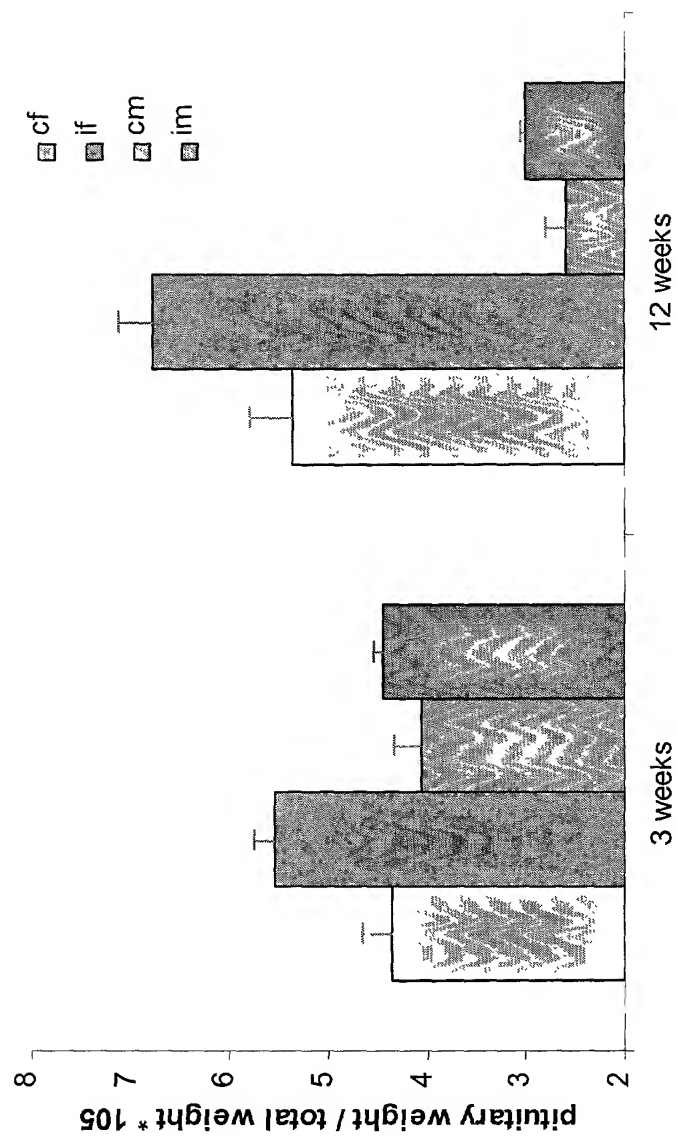


FIG. 16

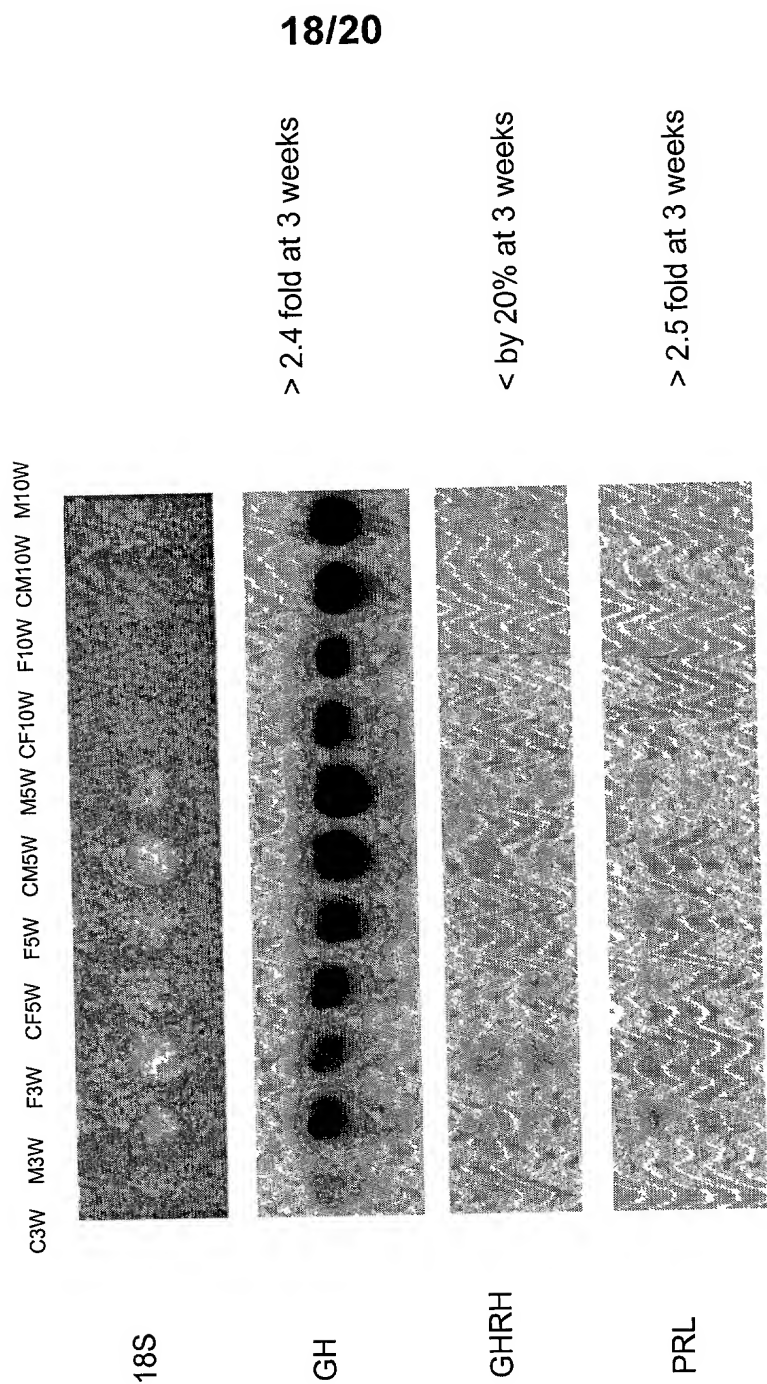
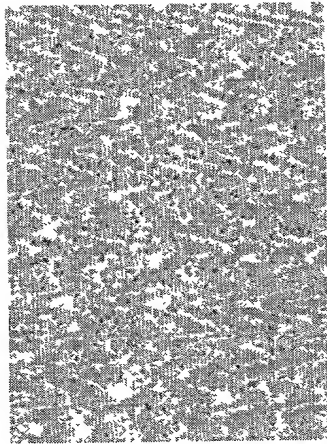
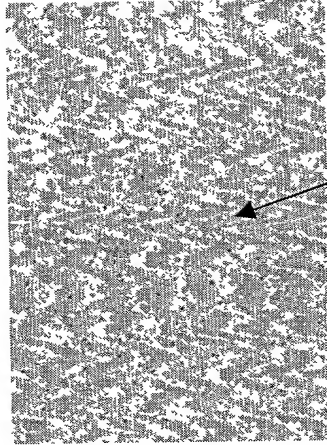


FIG. 17

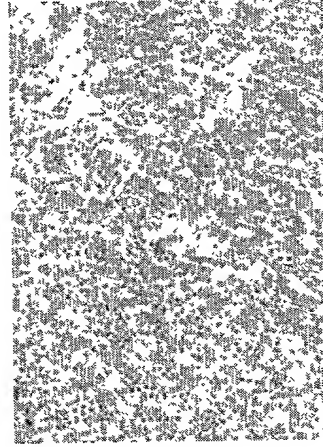
CM



IM



DAB staining marks in brown
the GH secreting cells



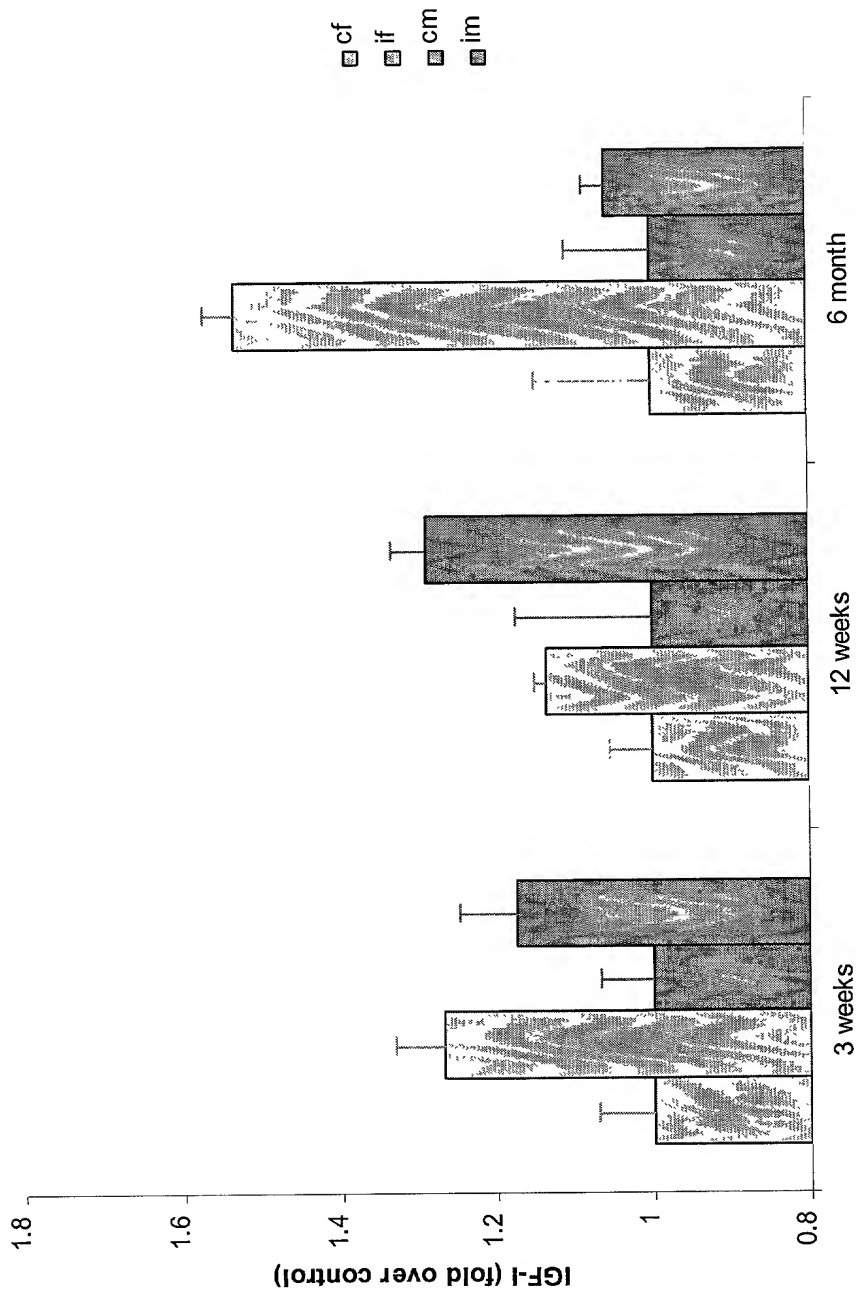
CM = offspring of control rats

Neg. control

IM = offspring of injected rats

Neg. control = no primary antibody

FIG. 18



Fold activation over control

IGF-I	3 weeks	12 weeks	24 weeks
cf	1	1	1
if	1.267911	1.136595	1.531806299
cm	1	1	1
im	1.175287	1.289915	1.056674548

FIG. 19